



Danielle C. Farrell, B.A.
Department of Justice
Drug Enforcement Administration
Office of Forensic Sciences

Senior Forensic Chemist
Western Laboratory
Pleasanton, CA

AREA OF EXPERTISE

Forensic Discipline

The identification and analysis of controlled substances as well as the investigation of clandestine laboratories.

Expert Testimony

- Qualified as federal and state expert witness in areas involving the identification and analysis of controlled substances
- Testified on 20 previous occasions

PROFESSIONAL EXPERIENCE

DRUG ENFORCEMENT ADMINISTRATION

FORENSIC CHEMIST, Western Laboratory (San Francisco, CA), 2009-present

- Examined suspected controlled substances for local, state, and federal prosecution
- Conducted chemical analyses on more than 3000 exhibits
- Testified in state and federal courts to the results of analytical testing on suspected controlled substances
- Safety certified and current with Level B and Level C personal protective equipment and its use
- Assisted and advised law enforcement investigators in the investigation, seizure, and analyses of suspected clandestine drug laboratories
- Performed duties of primary monitor of all reference material, controlled substance and otherwise, utilized in laboratory operations
- Supplied law enforcement with training courses related to production of illicit drugs and utilization of field test kits
- Monitored monthly maintenance and daily troubleshooting on all instrumentation utilized in chemical analysis
- Oriented new employees as the laboratory Training Officer
- Conduct quality audits and manage laboratory quality system as the Quality Assurance Specialist

Training

- Drug Enforcement Administration (DEA), Forensic Chemist Training Program, (San Francisco, CA), 2009
- DEA Office of Forensic Science, Basic Forensic Science School, (Quantico, VA), 2010
- DEA Office of Forensic Science, Clandestine Laboratory Safety Certification School, (Quantico, VA), 2010
- IR Courses, Inc., Infrared and Raman Spectroscopy as Applied to Forensic Analysis, (Bowdoin College, ME), 2010
- Waters, Ultra Performance Liquid Chromatography Essentials of the QuickStart Interface, (San Francisco, CA), 2010

- Network Environmental Systems, Clandestine Laboratories of Concern - Beyond Methamphetamine, (Folsom, CA), 2011
- Thermo Fisher Scientific, FirstDefender RMX - Chemical Identification System, (San Francisco, CA), 2011
- Jason Nawyn, Synthetic Cannabinoids/Substituted Cathinones, (San Francisco, CA), 2011
- DEA Special Testing Laboratory, Nuclear Magnetic Resonance Instrument Operations, (San Francisco, CA), 2012
- DEA, Clandestine Laboratory Synthesis and Analysis Training - Methamphetamine Technical Intelligence, (San Francisco, CA), 2012
- California Association of Criminalists Drug Study Group, Quality Measurement Assurance, (Hayward, CA), 2012
- California Association of Criminalists Drug Study Group, Narcotic Trafficking in Northern California, (Hayward, CA), 2012
- DEA Special Testing Laboratory, Methamphetamine By-Product Identification and Profiling Program, (San Francisco, CA), 2012
- DEA Chief Counsel, Criminal Discovery Legal Refresher, (San Francisco, CA), 2013
- Agilent Technologies, Inc., Controlled Substance Analysis on Gas Chromatography/Mass Spectrometry Technology, (San Francisco, CA), 2014
- Agilent Technologies, Inc., Low Thermal Mass Capabilities on Gas Chromatography/Mass Spectrometry, (San Francisco, CA), 2014
- Oklahoma State University, Weapons of Mass Destruction Laboratory Recognition for Forensic Scientists, (San Francisco, CA), 2014
- Agilent Technologies, Inc., Introduction to Mass Spectrometry Interpretation, (San Francisco, CA), 2014
- Dean Kirby, Butane Honey Oil Production and Dangers, (Pleasanton, CA), 2015
- Clandestine Laboratory Investigating Chemists 25th Annual Workshop, Improvised Explosive and Clandestine Methamphetamine Manufacturing, (Oklahoma City, OK), 2015
- Clandestine Laboratory Investigating Chemists 25th Annual Technical Seminar, (Oklahoma City, OK), 2015
- DEA Special Testing and Research Laboratory, Overview of the Fentanyl, Cocaine, and Methamphetamine Profiling Programs, (Pleasanton, CA), 2017
- DEA Office of Training, Instructor Development Course, (Quantico, VA), 2017
- DEA Office of Forensic Science, Field Training Chemist Course, (Quantico, VA), 2018
- Kadima Leadership, DEA Emerging Leaders Conference, (Quantico, VA), 2018

ALZA CORPORATION

Laboratory Technician II, Finished Product Section, (Vacaville, CA), 2008

- Conducted quality control analysis of finished pharmaceutical products
- Assembled preparatory standards, solutions, and mobile phases utilized in daily testing
- Performed identification, dissolution, assay, impurity testing and stability studies of raw materials and finished products
- Performed basic instrument maintenance to aid in daily chemical testing

EDUCATION AND CERTIFICATIONS

California State University Sacramento (Sacramento, CA)

- Bachelor of Arts in Chemistry, Minor in Forensic Investigation, 2008

Certification(s)

- DEA Clandestine Laboratory Safety Certification, 2010 to present
- DEA Field Training Chemist, 2018 to present

PROFESSIONAL AFFILIATIONS

- Clandestine Laboratory Investigating Chemists Association (CLIC), Member, 2013 to present

PRESENTATIONS AND LECTURES

- Presenter, Clandestine Drug Laboratory Awareness
 - Federal Bureau of Investigations National Improvised Explosives Familiarization Seminar, (Dublin, CA), 2013
- Presenter, Optimizing the Analysis of Synthetics
 - California Association of Criminalists Drug Study Group, (Richmond, CA), 2014
- Instructor, Clandestine Methamphetamine Synthesis
 - California Narcotic Officers' Association, (Santa Rosa, CA), 2014
- Instructor, Field Test Training
 - Various Federal, state, and local law enforcement trainings, 8 classes total, 2009-present
- Presenter, Fentanyl: Background, History, and Safe Handling
 - Special Agent Clandestine Lab Annual Recertification, (Pleasanton, CA), 2015
- Presenter, Fentanyl: Background, History, and Safe Handling
 - Sacramento Field Division Law Enforcement Refresher Training, (Sacramento, CA), 2015
- Presenter, Fentanyl Trends, Recent Seizures, and Safe Analysis Practices
 - Clandestine Laboratory Investigating Chemists 25th Annual Technical Seminar, (Oklahoma City, OK), 2015
- Presenter, Clandestine Laboratory Safety: Fentanyl and Cannabis Extractions - Butane Honey Oil and Supercritical Fluid Extractors
 - Corvallis Fire Department Hazmat Drill Lab Characteristics, (Corvallis, OR), 2015
- Presenter, Clandestine Laboratory Safety: Fentanyl and Cannabis Extractions - Butane Honey Oil and Supercritical Fluid Extractors
 - Special Agent/Chemist Clandestine Lab Annual Recertification, (Pleasanton, CA), 2016
- Presenter, Trends, Recent Seizures, and Safe Handling Practices: Fentanyl and Butane Honey Oil
 - Oregon State Fire Marshall's Office Hazmat Conference, (Sunriver, OR), 2016
- Presenter, Fentanyl Trends, Recent Seizures, and Safe Handling Practices
 - California State and Local Forensic Chemists Technical Training Seminar, (Pleasanton, CA), 2016
- Presenter, Low Thermal Mass Theory, Operation, and Troubleshooting
 - California State and Local Forensic Chemists Technical Training Seminar, (Pleasanton, CA), 2016
- Presenter, DEA Annual Special Topics and Trends
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Northern California High Intensity Drug Trafficking Area Commander's Symposium, (Pismo Beach, CA), 2017

- Presenter, DEA Drug Trends and High Hazard, Low Dose Evidence
 - California Association of Criminalists Spring Seminar, (San Francisco, CA), 2017
- Presenter, Fentanyl: Facts and Fiction for Handling and Processing
 - Washington State Narcotics Investigators Association Training Summit, (Vancouver, WA), 2018
- Presenter, Fentanyl Trends, Recent Seizures, and Safe Handling Practices
 - Contra Costa County Annual Detectives Symposium, (Walnut Creek, CA), 2018

DISTINCTIONS

- Certification of Appreciation for Outstanding Contributions in the Field of Law Enforcement, Anthony D. Williams, Special Agent in Charge, (San Jose, CA), 2012
- DEA Forensic Chemist Technical Advisory Committee, Member, 2016 to present
- DEA Western Laboratory Training Officer, 2017 to present
- DEA Western Laboratory Quality Assurance Specialist, 2018 to present